

(a) a surface radiation assembly configured to irradiate a region on the surface of the skin;

(b) a surface electrode assembly comprising at least a first pair of a first electrode and a second electrode, the first and second electrodes being configured to be applied to the surface of the skin and to apply a voltage to the skin surface;

a2 (c) an electrical meter configured to measure an electrical response of the skin to a voltage applied across the electrodes, wherein the electrical response of the skin is skin ²impotence or skin conductivity;

(d) a processor configured to adjust value of a parameter of the radiation based upon a measured electrical response to a voltage applied across the first and second electrodes, and wherein the electrical response of the skin is skin impotence or skin conductivity.

Please amend the claims by rewriting claims 1, 3-4, 6-7, 9, 14-15, 17-20 in amended form as follows (attached hereto is a marked-up version of the changes made to the claims by the current amendment captioned "Version with Markings to Show Changes Made"):

a3 5082 1. (Amended) A system for treating skin, comprising:

(a) a surface radiation assembly configured to irradiate a region on the surface of the skin;

Q3 (b) a surface electrode assembly comprising at least a first pair of a first electrode and a second electrode, the first and second electrodes being configured to be applied to the surface of the skin and to apply a voltage to the skin surface;

(c) an electrical meter configured to measure an electrical response of the skin to a voltage applied across the electrodes;

(d) a processor configured to adjust value of a parameter of the radiation based upon a measured electrical response to a voltage applied across the first and second electrodes.

Q4 3. (Amended) The system according to Claim 1 wherein the radiation is electro-magnetic radiation.

Q4 Since the claim is amended, it is no longer a 112 2nd.
4. (Amended) The system according to Claim 1 wherein the source of radiation is a voltage applied to the skin.

Q5 6. (Amended) The system of Claim 4 wherein the voltage applied to the skin is in the radio frequency.

a5 7. (Amended) The system according to Claim 4 wherein the first and second electrodes are the source of the radiation.

a6 9. (Amended) The system according to Claim 8 wherein at least one of the intensity, pulse duration, and pulse frequency of the radiation is decreased by the processor when the skin impedance decreases below a predetermined value.

a7 14. (Amended) The method according to Claim 12, wherein the radiation is electro-magnetic radiation.

15. (Amended) The method according to Claim 12 wherein the source of radiation is a a voltage applied to the skin.

17. (Amended) The method of Claim 15 wherein the voltage applied to the skin is in the radio frequency range.

a8 18. (Amended) The method according to Claim 15 wherein the first and second electrodes are the source of the radiation.

19. (Amended) The method according to Claim 12 wherein the electrical response of the skin is a skin impedance.